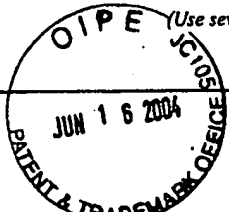


Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	Docket Number 564462008100	Application Number 10/626,477
	Applicant Martin KELLER	
	Filing Date July 23, 2003	Group Art Unit To Be Assigned
	Mailing Date June 14, 2004	

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
<i>u</i>	1.	06-30-1981	US-4,276,048	Leaback, D.	023	230R	<input checked="" type="checkbox"/>
	2.	08-16-1983	US-4,399,219	Weaver	435	034	<input checked="" type="checkbox"/>
	3.	11-04-1986	US-4,621,059	Rokugawa, K.	435	291	<input checked="" type="checkbox"/>
	4.	02-17-1987	US-4,643,968	Weaver	435	032	<input checked="" type="checkbox"/>
	5.	03-03-1987	US-4,647,536	Mosbach et al.	435	177	<input checked="" type="checkbox"/>
	6.	08-29-1998	US-4,861,718	Hirata et al.	435	207	<input checked="" type="checkbox"/>
	7.	04-10-1990	US-4,916,060	Weaver	435	029	<input checked="" type="checkbox"/>
	8.	09-25-1990	US-4,959,301	Weaver et al.	435	005	<input checked="" type="checkbox"/>
	9.	10-08-1991	US-5,055,390	Weaver et al.	435	005	<input checked="" type="checkbox"/>
	10.	12-22-1992	US-5,173,187	Nader et al.	210	614	<input checked="" type="checkbox"/>
	11.	07-06-1993	US-5,225,332	Weaver et al.	435	029	<input checked="" type="checkbox"/>
	12.	12-28-1993	US-5,274,240	Mathies et al.	250	458.1	<input checked="" type="checkbox"/>
	13.	12-17-1996	US-5,584,982	Dovich N., et al.	204	603	<input checked="" type="checkbox"/>
	14.	09-02-1997	US-5,663,046	Baldwin et al.	435	006	<input checked="" type="checkbox"/>
	15.	09-23-1997	US-5,670,113	Akong et al.	422	063	<input checked="" type="checkbox"/>
	16.	10-07-1997	US-5,675,155	Pentoney, Jr. et al.	250	458.1	<input checked="" type="checkbox"/>
	17.	04-21-1998	US-5,741,411	Yeung et al.	204	452	<input checked="" type="checkbox"/>
	18.	06-09-1998	US-5,763,263	Dehlinger, P. et al.	435	287	<input checked="" type="checkbox"/>
	19.	07-21-1998	US-5,783,431	Peterson et al.	435	172.3	<input checked="" type="checkbox"/>
	20.	08-04-1998	US-5,790,727	Dhadwal, H., et al.	385	038	<input checked="" type="checkbox"/>
	21.	10-20-1998	US-5,824,485	Thompson, et al.	435	006	<input checked="" type="checkbox"/>
	22.	11-10-1998	US-5,833,827	Anazawa, T., et al.	204	603	<input checked="" type="checkbox"/>
	23.	11-17-1998	US-5,837,458	Minshull et al.	435	006	<input checked="" type="checkbox"/>
	24.	12-01-1998	US-5,843,767	Beattie, K.	435	287.1	<input checked="" type="checkbox"/>
	25.	08-17-1999	US-5,938,908	Anazawa, T., et al.	204	603	<input checked="" type="checkbox"/>
<i>u</i>	26.	11-09-1999	US-5,981,297	Baselt, David R.	436	514	<input checked="" type="checkbox"/>

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<i>u</i>	27.	02-22-2000	US-6,027,873	Volker Schellenberger, et al.	435	004	
	28.	04-11-2000	US-6,048,444	Takahashi S., et al.	204	603	
	29.	04-25-2000	US-6,054,032	Haddad, L., et al.	204	451	
	30.	05-30-2000	US-6,068,977	Perlin	435	006	
	31.	07-04-2000	US-6,083,763	Balch, W.	436	518	
	32.	07-11-2000	US-6,086,740	Kennedy, C.	204	601	
	33.	07-11-2000	US-6,086,825	Sundberg, S., et al.	422	100	
	34.	07-18-2000	US-6,090,251	Sundberg, S., et al.	204	453	
	35.	01-16-2001	US-6,174,673	Short et al.	435	006	
	36.	05-08-2001	US-6,228,580	Blumenfeld et al.	435	006	
	37.	10-23-2001	US-6,306,578	Volker Schellenberger, et al.	435	004	
	38.	11-15-2001	US-2001/0041333	Short et al.	435	006	
	39.	01-22-2002	US-6,340,568	Hefti, John	435	006	
	40.	05-21-2002	US-6,391,576	Tsuchida et al.	435	030	
<i>✓</i>	41.	06-18-2002	US-6,406,893	Knapp et al.	435	091.2	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
<i>u</i>	42.	11-29-1990	WO 90/14590	WIPO				
	43.	10-05-1995	WO 95/26400	WIPO				
	44.	10-31-1996	WO 96/34112	WIPO				
	45.	06-02-1997	WO 97/04077	WIPO				
	46.	05-06-1997	WO 97/20078	WIPO				
	47.	06-12-1997	WO 97/20918	WIPO				
	48.	12-04-1997	WO 97/45730	WIPO				
	49.	12-24-1997	WO 97/48717	WIPO				
	50.	02-05-1998	WO 98/04920	WIPO				
<i>✓</i>	51.	07-02-1998	WO 98/28075	WIPO				

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	Applicant Martin KELLER	
	Filing Date July 23, 2003	Group Art Unit To Be Assigned
	Mailing Date June 14, 2004	

<i>u</i>	52.	09-03-1998	WO 98/38490	WIPO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i> </i>	53.	12-17-1998	WO 98/56904	WIPO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i> </i>	54.	07-15-1999	WO 99/34920	WIPO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i> </i>	55.	09-05-1999	WO 99/39191	WIPO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i> </i>	56.	09-30-1999	WO 99/49294	WIPO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i> </i>	57.	09-30-1999	WO 99/49315	WIPO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>✓</i>	58.	10-28-1999	WO 99/54494	WIPO	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
<i>u</i>	59.	ABEIJON et al. Proc. Natl Acad Sci. 93:5963-5968 (1996).
<i> </i>	60.	CULLIS, Paul M. et al., "Exploiting Nucleotide Thiophosphates to Probe Mechanistic Aspects of Escherichia coli DNA Gyrase," <i>Biochemistry</i> , Vol. 36, pages 6059-6068 (1997).
<i> </i>	61.	HUSCHTSCHA, Lily I. et al., "A rapid micro method for counting cells "in situ" Using a fluorogenic alkaline phosphatase enzyme assay," <i>In Vitro Cellular &amp; Developmental Biology</i> , Vol. 25, No. 1 January 1989, pgs. 105-108.
<i> </i>	62.	MANAFI, Mohammed et al., "Fluorogenic and Chromogenic Substrates Used in Bacterial Diagnostics," <i>Microbiological Reviews</i> , Vol. 55, No. 3, September 1991, pgs. 335-348.
<i> </i>	63.	MARGOLLES-CLARK, Emilio, "Molecular characterization of side-chain cleaving hemicellulases of <i>Trichoderma reesei</i> " (VTT Publications) (1996), 276, 123pp.
<i> </i>	64.	MIAO, F. et al., "A single-cell assay of $\beta$ -Galactosidase in recombinant <i>E. coli</i> using flow cytometry," <i>Biotechnology and Bioengineering</i> , Vol. 42, pages 708-715. (1993).
<i> </i>	65.	PLOVINS, A. et al. Use of fluorescein-di- $\beta$ -D-galactopyranoside (FDG) and C12-FDG as substrates for $\beta$ -galactosidase detection by flow cytometry in animal, bacterial, and yeast cells. <i>Appl. and Environ. Microbiol.</i> 60(12):4638-4641(1994).
<i> </i>	66.	POWELL, K.T.; Weaver, J.C. "Gel microdroplets and flow cytometry: rapid determination of antibody secretion by individual cells within a population" <i>Biotechnology</i> April 1990; 8, 4, 333-337.
<i> </i>	67.	ROESSNER, C. A. and A. I. Scott. "Fluorescence-based method for selection of recombinant plasmids." <i>BioTechniques</i> 19(5):760-764 (1995).
<i> </i>	68.	ROTMAN, Boris et al., "Fluorogenic Substrates for $\beta$ -D-Galactosidases and Phosphatases Derived from Fluorescein (3,6-Dihydroxyfluoran) and its Monomethyl Ether," <i>National Academy of Sciences</i> , Vol. 50, No. 1, July 15, 1963, pgs. 1-6.
<i> </i>	69.	TYAGI, S. et al, "Molecular Beacons: Probes the fluorescence upon hybridization" <i>Nature Biotechnol.</i> 1996, 14, 303-308.
<i>✓</i>	70.	WEAVER, J.C.; Bliss, J.G.; Powell, K.T.; Harrison, G.I; Williams, G.B. "Rapid clonal growth measurements at the single-cell level: gel microdroplets and flow cytometry" <i>Biotechnology</i> 1991,

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*11/22/2006*

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<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <i>(Use several sheets if necessary)</i>	Docket Number 564462008100	Application Number 10/626,477
	Applicant  Martin KELLER	
	Filing Date July 23, 2003	Group Art Unit To Be Assigned
	Mailing Date June 14, 2004	

		9(9), 873-7.
	71.	WITTRUP, K. D., et al. "Microencapsulation selection for isolation of yeast mutants with increased secretion of <i>Aspergillus awamori</i> glucoamylase," <i>Biotechnology and Bioengineering</i> 42(3):351-356 (1993).
	72.	ZHANG et al., FASEB J. Vol. 5, pages 3108-3113 (1991).

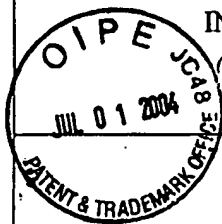
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Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)



Docket Number 564462008100

Application Number 10/626,477

Applicant

Martin KELLER

Filing Date July 23, 2003

Group Art Unit To Be Assigned

Mailing Date June 28, 2004

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
				X			

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
				X			

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
m	1.	Zengler et al., "Cultivating the Uncultured," Proc. Natl. Acad. Sci. U.S.A. (2002) 99(24):15681-15686

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11/27/2006

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Form PTO-1449

Docket Number 564462008100

Application Number 10/626,477

INFORMATION DISCLOSURE CITATION  
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OCT 21 2004 (See several sheets if necessary)

Applicant

Martin KELLER

Filing Date July 23, 2003

Group Art Unit 1645

Mailing Date October 18, 2004

## U.S. PATENT DOCUMENTS

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				X			

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
				X			

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
W	1.	Eilers et al., "Culturability and In Situ Abundance of Pelagic Bacteria from the North Sea," Applied and Environmental Microbiology 66(7):3044-3051 (2000)
J	2.	Ferguson et al., "Response of Marine Bacterioplankton to Differential Filtration and Confinement," Applied and Environmental Microbiology 47(1):49-55 (1984)
J	3.	Kaeberlein et al., "Isolating 'Uncultivable' Microorganisms in Pure Culture in a Simulated Natural Environment," Science 296:1127-1129 (2002)
V	4.	Manome et al., "Application of gel microdroplet and flow cytometry techniques to selective enrichment of non-growing bacterial cells," FEMS Microbiology Letters 197:29-33 (2001)

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*John W.*

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